



List of Publications

journal or publication title	Tsukuba geoenvironmental sciences
volume	12
page range	39-44
year	2016-12-25
URL	http://hdl.handle.net/2241/00144878

List of Publications

The following articles arranged in each research field were published by our faculty members during April 2015 to March 2016. Our department and/or research groups also published the following publications.

- 1) Annals of Human and Regional Geography, 38 (2016)
- 2) Studies in Human Geography, 36 (2016)

The exchanges of the publications will be gratefully acknowledged.

[Symbols]

- J** in Japanese
JE in Japanese with English abstract
[◦] The first author
^{*} Researchers belonging to University of Tsukuba, not to the Doctoral Program in Geoenvironmental Sciences
^{**} Researchers not belonging to University of Tsukuba
^{***} Undergraduate students, graduate students and auditors belonging to University of Tsukuba

[a] Human Geography

- Ichikawa, Y. (2016): Characteristics of Heritage Tourism from the Viewpoint of Japanese and Foreign Tourist's Behavior and Images in the Shirakawago. *Studies in Human Geography*, **36**, 11-28. (**J**, with Hata, T.^{***} and Matsui, K.)
- _____ (2016): Differences between the Rural Image and the Life-style of Residents in Shirakawago. *Studies in Human Geography*, **36**, 29-42. (**J**, with Hata, T.^{***} and Matsui, K.)
- _____ (2016): Diversification of Melon Production Farmers in Horticulture Region: A Case Study of Tsukuriya, Ibaraki. *Annals of Human and Regional Geography*, **38**, 91-115. (**J**, with Hata, T.^{***}, Kodama, E.^{***}, Yasumura, K.^{***}, Tomita, A.^{***}, Jyo, K.^{***}, Shimura, M.^{***} and Tabayashi, A.)
- _____ (2016): Process of "Detsukuri" and Settlement in Hitakihara. In Suzaka City ed., Suzaka City History (TomIII: Modern Hisotry). Suzaka City, Suzaka, 157-158.
- _____ (2015): Depopulation and Repopulation in the French Rural Areas. *Geogr. Space*, **8** 337-350. (**J**)
- _____ (2015): Tradition and Branding of Beef in the Mountainous Area of France: A Case Study of Fin Gras de Mézenc. *E-journal GEO*, **10**(2), 115-126. (**J**)

- Matsui, K. (2016): Characteristics of Heritage Tourism from the Viewpoint of Japanese and Foreign Tourist's Behavior and Images in the Shirakawago. *Studies in Human Geography*, **36**, 11-28. (**J**, with Ichikawa, Y.[◦] and Hata, T.^{***})
- _____ (2016): Differences between the Rural Image and the Life-style of Residents in Shirakawago. *Studies in Human Geography*, **36**, 29-42. (**J**, with Hata, T.^{***} and Ichikawa, Y.)
- _____ (2016): Religion and Tourism in the Oarai Isosaki Jinja Shrine. *Studies in Human Geography*, **36**, 77-101. (**J**, with Uda, T.^{***})
- _____ (2016): Social and Economic Changes brought from TV Anime "Girls & Panzer" in Oarai, Ibaraki. *Annals of Human and Regional Geography*, **38**, 61-89. (**JE**, with Ishizaka, M.^{***}, Uda, T.^{**}, Mashita, M.^{***}, Kai, S.^{***}, Zhou, Y.^{***}, Seki, T.^{***}, Kanno, M.^{***} and Nemoto, T.^{***})
- _____ (2016): The Disaster Response and Prevention Effort in Oarai Town after the Great East Earthquake. *Annals of Human and Regional Geography*, **38**, 117-149. (**J**, with Yagasaki, T.^{***}, Asano, G.^{***}, Watanabe, R.^{***}, Asami, T.^{***}, Jiao, B.^{***}, Takeshita, K.^{***} and Yusa, S.^{***})
- _____ (2016): Catholic Church in Goto Islands and Nagasaki Area. Faculty of Literature, Keio Univ. *War and Religion/ Sacred Place and Tourism*. Keio Univ. Press, 47-49. (**J**)
- _____ (2016): Pilgrimage and Cultural Tourism. Kikuchi, T, and Matsumura, K. eds. *Tourism Studies 3 Cultural Tourism*. Asakura-shoten, 84-98. (**J**)
- _____ (2015): Tourism and Religion in the Mount Fuji Area in the Pre-Modern Era. *Jour. of Geography*, **124**, 895-915. (**JE**, with Uda, T.^{**})
- _____ (2015): Formation of Multicultural Societies in Australia in view of Census Customised data. *Geogr. Space*, **8**, 81-89. (**J**, with Tsutsumi, J.[◦], Yoshida, M.^{**}, Yeh, C.^{**} and Tsutsui, Y.^{**})
- _____ (2015): Re-creation of the "Italian Hub" in Leichardt, Sydney. *Geogr. Space*, **8**, 91-102. (**J**, with Yoshida, M.^{***}, Yeh, C.^{**}, Tsutsui, Y.^{**} and Tsutsumi, J.)
- _____ (2015): Spatial Structure of Chinese Communities in Canberra, ACT. *Geogr. Space*, **8**, 103-115. (**J**, with Yeh, C.^{***}, Tsutsui, Y.^{**}, Tsutsumi, J. and Yoshida, M.^{**})
- _____ (2015): Vietnamese Australians Distribution

- and its Characteristics in Adelaide, South Australia. *Geogr. Space*, **8**, 117-129. (J, with Tsutsumi, Y.^{***}, Tsutsumi, J., Yoshida, M.^{**} and Yeh, C.^{**})
- _____ (2015): Politics of the Sacred Space “Uluru” and Outback Tourism, Australia. *Geogr. Space*, **8**, 131-142. (J, with Tsutsumi, J., Yoshida, M.^{**}, Yeh, C.^{**} and Tsutsumi, Y.^{**})
- _____ (2015): Book Review: Hino, M. and Tsutsumi, J. eds. “Urban Geography of Post-Growth Society”, *Geogr. Space*, **8**, 172-175. (J)
- _____ (2015): Book Review: Sasaki, H. “The Life of the Last Naturalist Alexander von Humboldt”, *Geogr. Space*, **8**, 360-362. (J)
- _____ (2015): Do you climb Mount Uluru? -Conflict between Sacred Space and Tourism-. *Geogr.*, **60**(8), 46-55. (J, with Tsutsumi, J.)
- Yamashita, K. ed. (2015): *Ethnic society in the world and Japan: Ethnic conflicts studies toward the multiculturalization of the Japanese society*. Akashi-shoten, Tokyo, 332p. (J)
- _____ (2016): Continuous Development of Coastal Tourism Region in Oarai Town, Ibaraki Prefecture. *Annals of Human and Regional Geography*, **38**, 1-29. (J, with Watanabe, E.^{***}, Abe, Y.^{***}, Ito, M.^{***}, Inomata, Y.^{***}, Wang, Y.^{***}, Nagura, K.^{***} and Matsubara, K.^{***})
- _____ (2016): Factors of the Japanese-Indonesian’s Long-term Settlement in Oarai Town, Ibaraki Prefecture: Focusing on the Transition of Accepting Foreign Workers in Seafood Product Processing Industry. *Annals of Human and Regional Geography*, **38**, 31-59. (J, with Kim, Y.^{***}, Kuribayashi, K.^{***}, Bao, H.^{***} and Ikeda, M.^{***})
- [b] Regional Geography**
- Kureha, M. (2015): Changing characteristics of Sugadaira as a highland resort. *Chizu Chushin*, **519**, 14-17. (J, with Watanabe, E.^{***})
- _____ (2015): Overview of Special Issue: Human Geographical Studies of Mount Fuji Region Focusing on Tourism. *Journal of Geography*, **124**, 877-885. (with Kikuchi, T.^{**}, Sano, M.^{**} and Yamamoto, M.^{**})
- _____ (2015): Preface of Special Issue: Human Geographical Studies of Mount Fuji Region Focusing on Tourism. *Journal of Geography*, **124**, 887-894. (J, with Kikuchi, T.^{**}, Sano, M.^{**} and Yamamoto, M.^{**})
- _____ (2015): *Landscapes in Austria*. Nakanishiya Shuppan, 188p. (J, with Ukita, T.^{***}, Kagami, M.^{**} and Fujitsuka, Y.^{**})
- _____ (2016): Geography as a base of cultural tourism. In Kikuchi, T. and Matsumura, K. eds., *Cultural Tourism Studies*. Asakura Shoten, 13-26. (J)
- _____ (2016): Vienna, etc. In Takeuchi, K. et al. eds., *Europe and Russia I (World Geographical Dictionary vol. 4)*. Asakura Shoten, 388-389, etc. (J)
- _____ (2016): Land Salzburg, etc. In Takeuchi, K. et al. eds., *Europe and Russia II (World Geographical Dictionary vol. 5)*. Asakura Shoten, 1281-1282, etc. (J)
- _____ (2016): Mondsee, etc. In Takeuchi, K. et al. eds., *Europe and Russia III (World Geographical Dictionary vol. 6)*. Asakura Shoten, 3148-3149, etc. (J)
- Tsutsumi, J. (2015): Formation of multicultural societies in Australia in view of census customised data. *Geographical Space*, **8**, 81-89. (J, with Yoshida, M.^{**}, Yeh, C.^{**}, Tsutsumi, Y.^{**} and Matsui, K.)
- _____ (2015): Re-creation of the “Italian-hub” in Leichhardt, Sydney. *Geographical Space*, **8**, 91-102. (J, with Yoshida, M.^{***}, Yeh, C.^{**}, Tsutsumi, Y.^{**} and Matsui, K.)
- _____ (2015): Spatial structure of Chinese communities in Canberra, ACT. *Geographical Space*, **8**, 103-115. (J, with Yeh, C.^{***}, Tsutsumi, Y.^{**}, Matsui, K. and Yoshida, M.^{**})
- _____ (2015): Vietnamese Australians distribution and its characteristics in Adelaide, South Australia. *Geographical Space*, **8**, 117-129. (J, with Tsutsumi, Y.^{***}, Matsui, K., Yoshida, M.^{**} and Yeh, C.^{**})
- _____ (2015): Politics of the sacred place “Uluru” and outback tourism, Australia. *Geographical Space*, **8**, 131-142. (J, with Matsui, K.[°], Yoshida, M.^{**}, Yeh, C.^{**} and Tsutsumi, Y.^{**})
- _____ (2015): Australian wine industry and food culture -Holidays with some wine-. *Chiri* (Kokon shoin, Tokyo), **60**(8), 12-21. (J, with Yoshida, M.^{***}, Tsutsumi, Y.^{**} and Yeh, C.^{**})
- _____ (2015): South bluefin tuna lanching in South Australia and its relation to Japan. *Chiri* (Kokon shoin, Tokyo), **60**(8), 22-29. (J)
- _____ (2015): Despite all, would you insist on climbing? -conflict between tourism and Uluru development-. *Chiri* (Kokon shoin, Tokyo), **60**(8), 46-55. (J, with Matsui, K.[°])
- Yamashita, A. ed. (2016): *Urbanization and the Environment in Asia: Land Use Data Analysis*. University of Tsukuba Press, Tsukuba, 162p. (J)
- _____ (2016): Development of fruit farming and transition of irrigation system in Petrolina, Northeast Brazil. *Studies in Human Geography*, **36**, 43-53. (J, with Hata, T.^{***})
- _____ (2016): Land use changes in ski ground and

the surrounding area in North Nagano -Cases of Togari-onsen Snow Resort and Nozawa-onsen Snow Resort-. *Studies in Human Geography*, **36**, 55-75. (J, with Watanabe, R.^{***}, San Cristobal, G. G.^{***} and Hashimoto, M.^{**})

[c] Spatial Information Science

Kusaka, H. (2015): Investigation of a recent extreme high-temperature event in the Tokyo metropolitan area using numerical simulations: the potential role of a 'hybrid' foehn wind. *Quarterly Journal of the Royal Meteorological Society*, **141**(690), 1857-1869. (with Takane, Y.^{**} and Kondo, H.^{**})

_____ (2015): Assessment of the impact of metropolitan-scale urban planning scenarios on the moist thermal environment in a warmed climate: A study of the Tokyo metropolitan area using regional climate modeling. *Advances in Meteorology*, doi:10.1155/2015/693754. (with Suzuki-Parker, A.^{***})

_____ (2015): Impact of an improved WRF urban canopy model on diurnal air temperature simulation over northern Taiwan. *Atmospheric Chemistry and Physics*, **16**, 1809-1822. DOI: 10.5194/acp-16-1809-2016. (with Lin C.^{***}, Su, C.^{**}, Akimoto, Y.^{*}, Sheng, Y.^{**}, Huang, J.^{**} and Hsu, H.^{**})

_____ (2015): Future projections of labor hours based on WBGT for Tokyo and Osaka, Japan, using multi-period ensemble dynamical downscale simulations. *Int. J. Biometol.*, **60**(2), 307-310. (with Suzuki-Parker, A.^{***})

_____ (2015): Dependence of Atmospheric Cooling by Vegetation on Canopy Surface Area During Radiative Cooling at Night: Physical Model Evaluation Using a Polyethylene Chamber. *Journal of Agricultural Meteorology*, **72**(1), 1-9. DOI: 10.2480/agrmet.D-15-00015. (with Okada, M.^{***})

_____ (2015): Future projection of thermal environment in Japan using WBGT. *Japanese Journal of Biometeorology*, **52**(1), 59-72. DOI: 10.11227/seikisho.5259 (with Suzuki-Parker, A.^{***})

Morimoto, T. (2016): Geographical Examination of Agricultural Land Productivity Estimated from the Census of Agriculture and Forestry. *Studies in Human Geography*, **36**, 1-10. (J)

_____ (2015): Geographical Examination of Agricultural Land Productivity by the Census of Agriculture and Forestry. *Proceedings of the General Meeting of the Association of Japanese Geographers*, **88**, 814-814. (J)

Murayama, Y. s.ed. (2015): *Digital Inoh map (professional*

edition). Kawade-shobo-shinsha. (CD-ROM) (J)

_____ s.ed. (2015): *Digital Inoh map (standard edition)*. Kawade-shobo-shinsha. (CD-ROM) (J)

_____ (2015): Intensity and spatial pattern of urban land changes in the megacities of Southeast Asia. *Land Use Policy*, **48**, 213-222. (with Estoque, R. C.[°])

_____ (2015): Classification and change detection of built-up lands from Landsat-7 ETM+ and Landsat-8 OLI/TIRS imageries: A comparative assessment of various spectral indices. *Ecological Indicators*, **56**, 205-217. (with Estoque, R. C.[°])

_____ (2015): Measuring urban volume: geospatial technique and application. *Tsukuba Geoenvironmental Sciences*, **11**, 13-20. (with Estoque, R. C.[°], Taddonio, T.^{**} and Thapa, R. B.^{**})

_____ (2015): Pixel-based and object-based classifications using high- and medium-spatial-resolution imageries in the urban and suburban landscapes. *Geocarto International*, **30**, 1113-1129. (with Estoque, R. C.[°] and Akiyama, C. M.^{**})

_____ (2015): WEB-GIS for visualizing land use/cover change in mega-cities in developing countries. *Tsukuba Geoenvironmental Sciences*, **11**, 21-25. (with Gong, H.^{***})

_____ (2015): Identification of suitability of sites for microenterprises for value chain development: A study in Gazipur District, Bangladesh. *Growth and Change*, **46**, 274-291. (with Khaleida, S.^{***})

_____ (2015): Modeling deforestation in Dzalanyama Forest Reserve, Lilongwe, Malawi: a multi-agent simulation approach. *GeoJournal*, **80**, 743-757. (with Munthali, K. G.^{***})

_____ (2016): Visualization of land-use/land-cover changes in major Asian and African cities. *Annual Report on the Multi Use Social and Economic Data Bank*. (with Estoque, R. C.[°], Hou, H.^{***}, Gong, H.^{***}, Simwanda, M.^{***}, Subasinghe, H.^{***}, and Zhang, X.^{***})

_____ (2016): Quantifying landscape pattern and ecosystem service value changes in four rapidly urbanizing hill stations of Southeast Asia. *Landscape Ecology*, **31**, 1481-1507. (with Estoque, R. C.[°])

[d] Hydrologic Sciences

Asanuma, J. (2015): Spatial and seasonal variations of CO₂ flux and photosynthetic and respiratory parameters of larch forests in East Asia. *Soil Science and Plant Nutrition*, **61**(1), 61-75. (with Takagi, K., Hirata, R., Ide, R., Ueyama, M., Ichii, K., Saigusa, N., Hirano, T., Li, S-G., Machimura, T., Nakai, Y., Ohta, T. and Takahashi, Y.)

Sugita, M. (2015): International collaboration and coop-

- eration through researches of hydrologic Science. *Journal of Japanese Association of Hydrological Sciences*, **45**, 73-84. (JE)
- _____ (2016): Drag and bulk transfer coefficients over water surfaces in light winds. *Boundary-Layer Meteorology*, **160**, 319-346. (with Wei, Z.^{**} and Miyano, A.^{**})
- Tabayashi, Y., (2016): Nutrient ratios in soil as an indicator of nitrate leaching in the forest ecosystems. *Limnological Study*, **3**, 75-80. (JE, with Horiuchi, M.^{***}, Kamiya, H.^{**} and Yamamuro, M.^{**})
- _____ (2016): Soil and leaf nutrient ratios as indicators of nitrate leaching in Japanese forest ecosystems. *Limnological Study*, **3**, 67-74. (JE, with Horiuchi, M.^{**}, Kamiya, H.^{**} and Yamamuro, M.^{**})
- _____ (2015): Atmospheric nitrogen and phosphorus originating in China: forest deposition and infiltration of stream water in Japan, *Water Air and Soil Pollution*, **226**, 385. (with Kamiya, H.^{**}, Godo, T.^{**}, Ohshiro, H.^{**} and Yamamuro, M.^{**})
- _____ (2015): Long-Term trends in nitrogen and phosphorus concentrations in the Hii River as influenced by atmospheric deposition from East Asia, *Limnology and Oceanography*, **60**, 629-640. (with Miyazako, T.^{***}, Kamiya, H.^{**}, Godo, T.^{**}, Koyama, Y.^{**}, Nakashima, Y.^{**}, Sato, S.^{**}, Kishi, M.^{**}, Fujihara, A.^{**} and Yamamuro, M.^{**})
- Tsujimura, M. (2015): Temporal changes in dissolved ¹³⁷Cs concentrations in groundwater and stream water in Fukushima after the Fukushima Dai-ichi Nuclear Power Plant accident. *Journal of Environmental Radioactivity*, DOI: 10.1016/j.jenvrad.2015.03.025. (with Iwagami, S.^{**}, Onda, Y.^{*}, Nishino, M.^{***}, Konuma, R.^{***}, Abe, Y.^{**}, Hada, M.^{***}, Pun, I.^{***}, Sakaguchi, A.^{*}, Kondo, H.^{**}, Yamamoto, M.^{**}, Miyata, Y.^{**} and Igarashi, Y.^{**})
- _____ (2015): Electrochemical analysis of Endocrine Disrupting chemicals over carbon electrode modified with Cameroon's clay. *Journal of The Electrochemical Society*, **162**(1), B1-B8, DOI: <http://dx.doi.org/10.1149/2.0101501jes>. (with Belkhamisa, N.^{**}, Ouattara, L.^{**}, Kawachi, A., Isoda, H.^{*}, Chtaini, A.^{**} and Ksibi, M.^{**})
- _____ (2015): Effects of Metal Pollution on Sediments in a Highly Saline Aquatic Ecosystem: Case of the Moknine Continental Sebkh (Eastern Tunisia). (with Wali, A.^{**}, Kawachi, A., Bougi, M. S. M.^{**}, Ben Dhia, H.^{**}, Isoda, H.^{*} and Ksibi, M.^{**})
- Yamanaka, T. (2016): Tracing the imprints of climate change through hydrogeochemical studies on the eastern Himalayan high altitude lakes. *Journal of Climate Change*, **2**, 69-78. (with Deca, J. P.^{***}, Singh, R.^{**}, Choudhry, G.^{**}, Tyang, G.^{**} and Kumar, M.^{**})
- _____ (2016): Factors controlling inter-catchment variation of mean transit time with consideration of temporal variability. *Journal of Hydrology*, **534**, 193-204. (with Ma, W.^{***})
- _____ (2015): How reliable are modeled precipitation isoscapes over a high-relief mountainous region? *Hydrological Research Letters*, **9**, 118-124. (with Makino, Y.^{***}, Wakiyama, Y.^{**}, Kishi, K.^{*}, Maruyama, M.^{**}, Kano, M.^{***}, Ma, W.^{**} and Suzuki, K.^{**})
- _____ (2015): Partitioning evapotranspiration in a temperate grassland ecosystem: numerical modeling with isotopic tracers. *Agricultural and Forest Meteorology*, **208**, 16-31. (with Wang, P.^{***}, Li, X-Y.^{**} and Wei, Z.^{**})
- _____ (2015): Mechanisms of spring discharge at the headwater of the Shiokawa River: quantitative verification by short-term intensive observation and a numerical model. *Geographical Review of Japan (Ser. A)*, **88**, 217-234. (J)
- ### [e] Atmospheric Science
- Tanaka, H. L. (2015): Warming hiatus is internal origin, then global warming prediction is overestimated. *J. Heat Transfer Society Japan*, **54**(226), 12-15. (J)
- _____ (2015): Characteristics of the JRA-55 and ERA-Interim datasets by using the three-dimensional normal mode energetics. *SOLA*, **12**, 27-31. (with Yamagami, A.^{***})
- _____ (2015): Normal-mode function analysis of global 3D datasets: Open-access software for atmospheric research community. *Geosci. Model Dev.*, **8**, 1169-1195. doi:10.5194/gmd-8-1169-2015. (with Zagar, N.^{***}, Kasahara, A.^{**}, Terasaki, K.^{**} and Tribbia, J.^{**})
- _____ (2015): *Meteorology for Beginners*. The Open University of Japan, Textbook. 249p. (J, with Iga, K.^{**})
- _____ (2016): Normal modes of atmospheric variability in observation, numerical weather prediction and climate models. (in press at *BAMS*). (with Zagar, N.^{***}, Boyd, J.^{**}, Kasahara, A.^{**}, Kallen, E.^{**} and Yano, J.^{**})
- _____ (2016): Relationship between the Arctic Oscillation and surface air temperature in multi-decadal time-scale. *Polar Science*, doi: 10.1016/j.polar.2016.03.002. (with Tamura, M.^{***})
- _____ (2016): Axisymmetric structure of the long lasting summer Arctic cyclones. *Polar Science*, doi: 10.1016/j.polar.2016.02.002. (with Aizawa, T.^{***})
- _____ (2016): Numerical simulations of volcanic ash

- plume dispersal from Kelud volcano in Indonesia on 13 February 2014. *J. Disaster Res.* **11**(1), 31-42. (with Iguchi, M.^{**} and Nakada, S.^{**})
- Ueda, H. (2016): Robust cloud feedback over tropical land in a warming climate. *J. Geophys. Res. Atmos.*, doi:10.1002/2015JD024525. (with Kamae, Y.^{**}, Ogura, T.^{**}, Watanabe, M.^{**} and Xie, S.-P.^{**})
- _____ (2015): Combined effects of recent Pacific cooling and Indian Ocean warming on the Asian monsoon. *Nature Comm.*, **6**, 8854. (with Kamae, Y.^{*}, Hayasaki, M.^{*}, Kitoh, A.^{*}, Watanabe, S.^{*}, Miki, Y.^{*} and Kumai, A.^{*})
- _____ (2015): Snowfall variations in Japan and its linkage with tropical forcing. *Int. J. Climatol.*, **35**, 991-998. (with Kibe, A.^{*}, Saitoh, M.^{*} and Inoue, T.^{*})
- _____ (2015): Global and Regional Variations in Mean Temperature and Warm Extremes in Large-Member Historical AGCM Simulation. *2015 AGU Fall Meeting, Abstract*, GC44A-07, San Francisco, USA. (with Kamae, Y.^{**}, Shiogama, H.^{**}, Imada, Y.^{**}, Mori, M.^{**}, Arakawa, O.^{*}, Mizuta, R.^{**}, Yoshida, K.^{**}, Ishii, M., Watanabe, M.^{**}, Kimoto, M.^{**} and Xie, S.-P.^{**})
- _____ (2015): Revisiting the recent slowdown of upper tropospheric warming over the tropics. *IUGG 26th General Assembly 2015, Abstract*, IUGG-2066, Prague, Czech Republic. (with Kamae, Y.^{**}, Shiogama, H.^{**}, Watanabe, M.^{**}, Ishii, M. and Kimoto, M.^{**})
- _____ (2015): Recent slowdown of upper tropospheric warming associated with the tropical SST variability. *JpGU Annual Meeting 2015, Abstract*, ACG32-16, Chiba, Japan. (with Kamae, Y.^{***}, Shiogama, H.^{**}, Watanabe, M.^{**}, Ishii, M.^{**} and Kimoto, M.^{**})
- Ueno, K. (2015): Diurnal variations of surface wind speed observed in the mountainous area of central Japan during sunny summer days. *Journal of the Meteorological Society of Japan*, **93**, 61-71. doi:10.2151/jmsj.2015-103. (with Isono, J.^{****})
- _____ (2015): Effects of deforestation and weather on diurnal frost heave processes on the steep mountain slopes in south central Japan. *Earth Surface Processes and Landforms*. DOI: 10.1002/esp.3776. (with Kurobe, K.^{***}, Imaizumi, F.^{**} and Nishii, R.^{**})
- _____ (2015): Occurrence tendency of heavy rainfall or snowfall in the inland district of Japan in winter. *Seppyo*, **77**, 397-410. (*JE*, with Ando, N.^{****})
- _____ (2015): Progress of climate and weather variability studies in the Japanese Alps region. *Mountain of our future earth, Perth 3, Abstract*. Oct. 5, Perth, England, 2015.
- _____ (2015): Precipitation dependent on elevation (PDE) detected by TRMM data according to differences in orographic precipitation processes. *Mountain of our future earth, Perth 3, Abstract*. Oct. 5, Perth, England, 2015. (with Maruko, S.^{****})
- Wakazuki, Y. (2015): Effect of climate change on the snow disappearance date in mountainous areas of central Japan. *Hydrological Research Letters*, **9**, 20-26. (with Hara, M.^{**}, Fujita, M.^{**}, Suzuki, C.^{**}, Ma, X.^{**} and Kimura, F.^{*})
- _____ (2015): Numerical experiments of meso-alpha-scale precipitation systems under Baiu front like idealized environments. *SOLA*, **11**, 150-155. (with Watanabe, T.^{**})
- _____ (2015): Development of a simulator for the radioactive plume trajectories. *Journal of Computer Chemistry, Japan*, **14**(3), 74-76. (*JE*, with Aoyama, T.^{*})
- _____ (2015): Incremental dynamical downscaling for probabilistic analysis based on multiple GCM projections. *Geophysical Research Letters*, **42**. (with Rasmussen, R.)
- _____ (2016): Probabilistic climate change projection in Kanto and Japan Alps regions using incremental dynamical downscaling. *The Journal of Japan Society of Civil Engineers, Ser. B1*, **72**(4), I_55-I_60. (*JE*, with Hara, M.^{**}, Fujita, M.^{**}, Ma, X.^{**}, Inoue, T.^{**}, Kimura, F.^{*} and Koike, T.^{**})
- ### [f] Geomorphology
- Ikeda, A. (2015): How to teach global morphology to high school students, I: Where are oil fields? *Chiri*, **60**(10), 82-88. (*J*)
- _____ (2015): How to teach global morphology to high school students, II: Orogen, shield and platform. *Chiri*, **60**(11), 118-124. (*J*)
- _____ (2015): How to teach global morphology to high school students, III: Orogeny viewed from plate tectonics. *Chiri*, **60**(12), 98-105. (*J*)
- _____ (2016): How to teach global morphology to high school students, IV: Why is Prof. Davis respected? *Chiri*, **61**(1), 77-83. (*J*)
- _____ (2016): How to teach global morphology to high school students, V: Update out-of-date textbooks. *Chiri*, **62**(2), 98-105. (*J*)
- Hattanji, T. (2015): Dissolution rates of subsoil limestone in a doline on the Akiyoshi-dai Plateau, Japan: An approach from a weathering experiment, hydrological observations, and electrical resistivity tomography. *Geomorphology*, **247**, 2-9. (with Akiyama, S.^{****}, Matsushi, Y.^{**} and Matsukura, Y.^{**})
- _____ (2016): Rock weathering processes and prod-

- ucts on Martian surface. *J. Geogr.*, **125**, 133-153. (*JE*, with Sato, M.^{****} and Matsuoka, N.)
- Matsuoka, N. (2015): Periglacial landforms. In Hargitai, H. and Kereszturi, Á. (eds.). *Encyclopedia of Planetary Landforms*. Springer, pp. 1551-1552. (with Feuillet, L.^{***})
- _____ (2015): Rock glacier/debris-covered glacier. In Hargitai, H. and Kereszturi, Á. (eds.). *Encyclopedia of Planetary Landforms*. Springer, pp. 1811-1828. (with Whalley, W.B.^{***}, Sik, A.^{**}, Kereszturi, Á.^{**} and Hargitai, H.^{**})
- _____ (2016): Overview of the special issue “Martian surface processes”. *J. Geogr.*, **125**, 1-5. (*JE*, with Yokokawa, M.^{**}, Naruse, H.^{**} and Sekiguchi, T.)
- _____ (2016): Permafrost and periglacial processes on the Martian surface. *J. Geogr.*, **125**, 63-90. (*JE*)
- _____ (2016): Rock weathering processes and products on Martian surface. *J. Geogr.*, **125**, 133-153. (*JE*, with Sato, M.^{****} and Hattanji, T.)
- Parkner, T. (2016): Gullies on Mars: A Review. *J. Geogr.*, **125**, 155-161.
- Sekiguchi, T. (2016): Overview of the special issue “Martian surface processes”. *J. Geogr.*, **125**, 1-5. (*JE*, with Matsuoka, N.[°], Yokokawa, M.^{**} and Naruse, H.^{**})